

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/11/2020

Reviewed on 02/11/2020

### 1 Identification

- **Product Identifier**
- **Trade Name: Drain and Grease Trap Treatment - Product Code H-049**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Not relevant information.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Roto-Rooter Corporation  
300 Ashworth Rd  
West Des Moines, IA 50265  
515-223-1344  
www.roto-rooter.com
- **Emergency telephone number:**  
Chemtrec (US): (800) 424-9300  
Chemtrec (Outside US): (703) 527-3887 (Collect calls accepted)

### 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Warning
- **Hazard statements:**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H402 Harmful to aquatic life.
- **Precautionary statements:**  
P264 Wash thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection / face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**  
This value refers to knowledge of known, established toxicological or ecotoxicological values.

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0 % of the mixture consists of component(s) of unknown toxicity.

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

## 3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

### • Dangerous Components:

1310-73-2	Sodium Hydroxide	≤2.5%
	Skin Corr. 1A, H314; Acute Tox. 4, H302	
52-51-7	bronopol (INN)	≤2.5%
	Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	

### • Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

## 4 First-Aid Measures

- **Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in the side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation occurs, consult a doctor.
- **After eye contact:**  
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.  
If easy to do so, remove contact lenses if worn.  
If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available.

## 5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.

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- **Advice for firefighters**

- **Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

1310-73-2	Sodium Hydroxide	0.5 mg/m <sup>3</sup>
7631-99-4	Sodium Nitrate	4.1 mg/m <sup>3</sup>
6381-92-6	EDTA, Disodium, Dihydrate	30 mg/m <sup>3</sup>
7757-82-6	Sodium Sulphate	9.8 mg/m <sup>3</sup>

- **PAC-2:**

1310-73-2	Sodium Hydroxide	5 mg/m <sup>3</sup>
7631-99-4	Sodium Nitrate	45 mg/m <sup>3</sup>
6381-92-6	EDTA, Disodium, Dihydrate	330 mg/m <sup>3</sup>
7757-82-6	Sodium Sulphate	110 mg/m <sup>3</sup>

- **PAC-3:**

1310-73-2	Sodium Hydroxide	50 mg/m <sup>3</sup>
7631-99-4	Sodium Nitrate	270 mg/m <sup>3</sup>
6381-92-6	EDTA, Disodium, Dihydrate	2,000 mg/m <sup>3</sup>
7757-82-6	Sodium Sulphate	650 mg/m <sup>3</sup>

## 7 Handling and Storage

- **Handling**

- **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

- **Specific end use(s):** No further relevant information available.

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## 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**  
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituents have no known exposure limits.

### 1310-73-2 Sodium Hydroxide

PEL	Long-term value: 2 mg/m <sup>3</sup>
REL	Ceiling limit value: 2 mg/m <sup>3</sup>
TLV	Ceiling limit value: 2 mg/m <sup>3</sup>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing and wash before reuse.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves:**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**  
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:**  
Keep away from drains, surface and ground waters.  
Avoid release into the environment.

## 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  
**Form:** Liquid

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### Trade Name: Drain and Grease Trap Treatment - Product Code H-049

Color:	Green
• Odor:	Slight
• Odor threshold:	Not determined.
• pH-value:	Not determined.
• Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
• Flash point:	None
• Flammability (solid, gaseous):	Not applicable.
• Ignition temperature:	Not applicable
• Decomposition temperature:	Not determined.
• Auto igniting:	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
• Vapor pressure:	Not determined.
• Density:	
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
• Solubility in / Miscibility with:	
Water:	Miscible
• Partition coefficient (n-octanol/water):	Not determined.
• Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
• Solvent content:	
VOC content:	0.00 %
• Other information:	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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**Trade Name: Drain and Grease Trap Treatment - Product Code H-049**

### 11 Toxicological Information

- **Information on toxicological effects:**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**1310-73-2 Sodium Hydroxide**

Oral	LD50	2,000 mg/kg (Rat)
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**52-51-7 bronopol (INN)**

Oral	LD50	305 mg/kg (Rat)
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- **Primary irritant effect:**

- **On the skin:** Irritant to skin and mucous membranes.

- **On the eye:** Irritating effect.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

3844-45-9	FD&C Blue No.1	3
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- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

### 12 Ecological Information

- **Toxicity:**

- **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**1310-73-2 Sodium Hydroxide**

EC50	40 mg/l (Daphnia)
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- **Persistence and degradability:** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential:** No further relevant information available.

- **Mobility in soil:** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Harmful to aquatic organisms

- **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.

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**Trade Name: Drain and Grease Trap Treatment - Product Code H-049**

- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

## 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

### • Section 355 (extremely hazardous substances):

None of the ingredients are listed.

### • Section 313 (Specific toxic chemical listings):

52-51-7 bronopol (INN)

### • TSCA (Toxic Substances Control Act):

1310-73-2	Sodium Hydroxide	ACTIVE
7631-99-4	Sodium Nitrate	ACTIVE
1934-21-0	FD&C Yellow No. 5	ACTIVE
3844-45-9	FD&C Blue No.1	ACTIVE
52-51-7	bronopol (INN)	ACTIVE
68081-81-2	Sodium dodecylbenzenesulfonate	ACTIVE
7757-82-6	Sodium Sulphate	ACTIVE
7732-18-5	Water, distilled water, deionized water	ACTIVE
7647-14-5	Sodium Chloride	ACTIVE

### • Hazardous Air Pollutants

None of the ingredients are listed.

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**Trade Name: Drain and Grease Trap Treatment - Product Code H-049**

• **California Proposition 65:**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

• **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

• **New Jersey Right-to-Know List:**

1310-73-2 Sodium Hydroxide

• **New Jersey Special Hazardous Substance List:**

1310-73-2 Sodium Hydroxide

CO, R1

• **Pennsylvania Right-to-Know List:**

1310-73-2 Sodium Hydroxide

7631-99-4 Sodium Nitrate

7757-82-6 Sodium Sulphate

• **Pennsylvania Special Hazardous Substance List:**

1310-73-2 Sodium Hydroxide

E

7757-82-6 Sodium Sulphate

E

• **Carcinogenic categories:**

• **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

• **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:**



• **Signal word:** Warning

• **Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

• **Precautionary statements:**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 If on skin: Wash with plenty of water.

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### Trade Name: Drain and Grease Trap Treatment - Product Code H-049

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### • **National regulations:**

None of the ingredients are listed.

#### • **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

#### • **Date of last revision/ revision number:** 02/11/2020 / -

#### • **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety & Health Administration  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

#### • **\* Data compared to the previous version altered.**

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